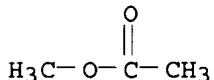


L Number	Hits	Search Text	DB	Time stamp
1	963	ink and (colo\$1rant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)	USPAT; US-PGPUB	2003/03/06 19:54
4	704	(ink and (colo\$1rant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin))	USPAT; US-PGPUB	2003/03/06 20:00
7	173	((ink and (colo\$1rant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin)) ) and polyvinyl adj butyral	USPAT; US-PGPUB	2003/03/06 20:16
10	11	((ink and (colo\$1rant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin)) ) and polyvinyl adj butyral) and 106/\$.ccls.	USPAT; US-PGPUB	2003/03/06 20:32
13	4	((ink and (colo\$1rant dye pigment) and (binder resin) and (methyl adj acetate methyl adj ethanoate tereton devoton methyl adj acetic adj ester acetic adj acid adj methyl adj ester)) and (acetone ethanol ethyl adj alcohol) and ((binder polymer resin) near (acrylic cellulosic acetal ketone vinyl acrylate acrylic aldehyde phenolic maleic poyester rosin)) ) and polyvinyl adj butyral) and 523/160,161.cccls.	USPAT; US-PGPUB	2003/03/06 20:34



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6715 REFERENCES IN FILE CA (1962 TO DATE)  
27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6730 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
200 REFERENCES IN FILE CAOLD (PRIOR TO 1967)



## Chemical Sampling Information

## Methyl Acetate

[\*\*◀ Chemical Sampling Information - Table of Contents\*\*](#)

- ▶ [Field Definitions](#)
- ▶ [Analytical Methods](#)
- ▶ [Health Guidelines](#)

## General Description

**NAME:** Methyl Acetate**SYNONYM(s):** Acetic acid, methyl ester; Methyl acetic ester; Methyl ethanoate**IMIS:** 1650**CAS:** 79-20-9**NIOSH:** RTECS AI9100000; 2582**DOT:** UN1231 Flammable Liquid**DESCRIPTION:**

Colorless liquid with a fruity odor.

**MW:** 74**BP:** 57 C**VP:** 173 mm**MP:** Solidifies at -98 C**INCOM:** Nitrates; strong oxidizers, alkalies, and acids

## Exposure Limits

**OSHA GENERAL INDUSTRY PEL:** 200 ppm, 610 mg/m<sup>3</sup>**OSHA CONSTRUCTION INDUSTRY PEL:** 200 ppm, 610 mg/m<sup>3</sup> TWA**ACGIH TLV:** 200 ppm, 606 mg/m<sup>3</sup> TWA; 250 ppm, 757 mg/m<sup>3</sup> STEL**NIOSH REL:** 200 ppm TWA, 250 ppm STEL

## Health Factors

**SYMPTOM(s):** Nose, throat irritation; headaches; drowsiness; optic atrophy

**HEALTH EFFECTS:** Irritation-Eye, Nose, Throat, Skin---Mild (HE16) Narcosis (HE8); CNS effects (HE7)

**ORGAN:** Respiratory system, skin, eyes

Monitoring

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**PRIMARY SAMPLING/ANALYTICAL METHOD (SLC1):**

**MEDIA:** Charcoal Tube (100/50 mg sections, 20/40 mesh)

**ANL SOLVENT:** Carbon Disulfide

**MAX V:** 7 Liters **MAX F:** 0.2 L/min (TWA)

**MAX V:** 3 Liters **MAX F:** 0.2 L/min (STEL)

**ANL 1:** Gas Chromatography; GC/FID

**REF:** 1 (NIOSH 1458)

**SAE:** 0.09

**CLASS:** Fully Validated

**SECONDARY SAMPLING/ANALYTICAL METHOD (SAM2):**

**DEVICE:** Detector Tube **COMPANY:** Kitagawa

**PART #:** 148 **RANGE:** 0.01-3.0%

**CLASS:** Mfg

**DEVICE:** Instrumentation **COMPANY:** Infrared Spectrophotometer

**PART #:** MIRAN 1A & 1B **RANGE:** 0.3 ppm @ 9.6 um

**CLASS:** Mfg

**DEVICE:** Instrumentation **COMPANY:** Organic Vapor Analyzer

**PART #:** Organic Vapor Analyzer

**CLASS:** Mfg

◀ [Chemical Sampling Information - Table of Contents](#)

Revision Date: 05/17/2000

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